

### Providing PBX Telephony AN/WAN Network with your

January 19, 1998

Copyright © 1997 Selsius Systems Inc.

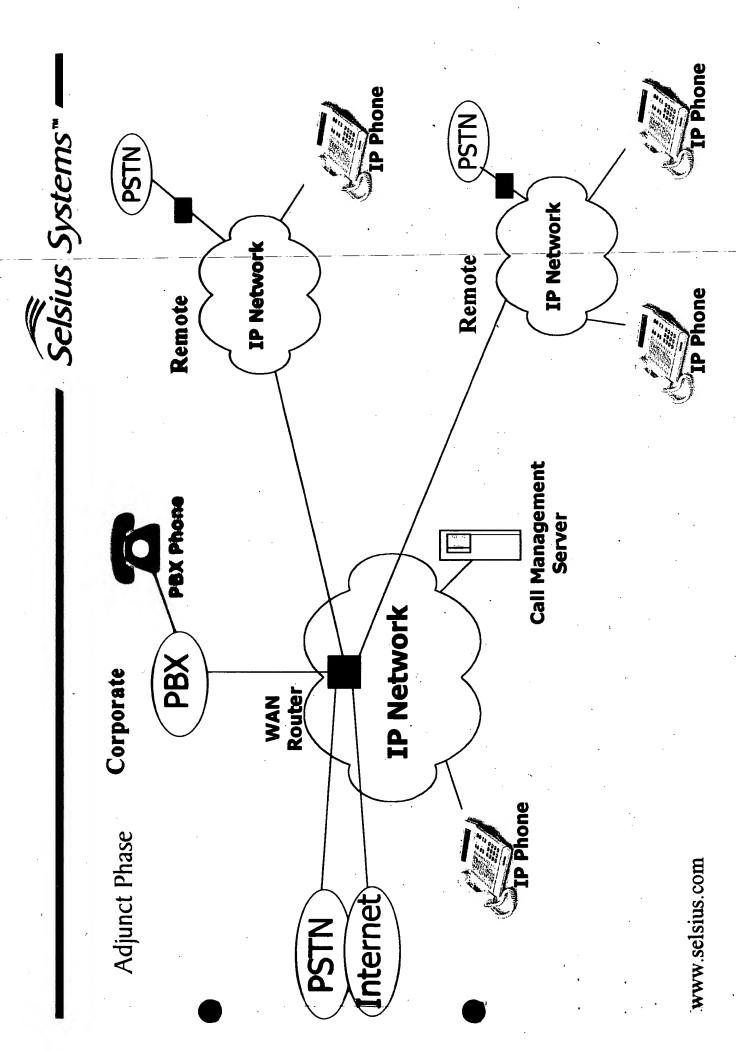
offering high-quality, reliable telephony along with a new "A new paradigm is emerging, where the IP network becomes the vehicle for delivering voice services, set of enhanced services."

## Key Attributes:

- Migrate circuit switching to standard IP LAN/WAN Networking
- Standard-based, open intelligent call processing / gatekeeper services
- Standard-based IP telephones (wired or wireless Ethernet) replace proprietary telephones
- PSTN gateway options integrated into networking infrastructure for traditional connections

www.selsius.com

.www.selsius.com

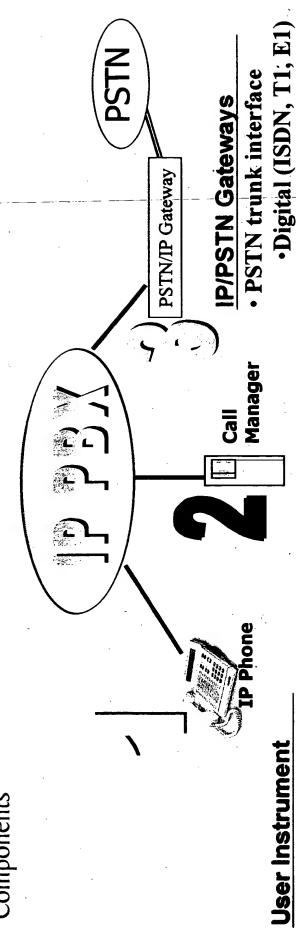


www.selsius.com

- Low maintenance. With the integration of the existing voice and data network serves both functions, i.e.. moving a phone costs drop from network, comes a reduction in the cost of administration, since one \$80 (traditional PBX) to \$0.
- ROBO (remote office/branch office) integration. Simpler, less costly approach to remote offices.
- Consolidate and reduce WAN Costs. Lower network costs through consolidation of data and voice; longer term; leverage the Internet.
- Single infrastructure. New wiring and communications plants can be built at a lower cost because of a single wiring plant for communication.
- Enhanced Communications. An IP PBX enables video and data collaboration.
- Lower capital acquisition. Long term, the cost to install and grow PBX hardware will be lower, as volume and new suppliers enter the market.

Selsius Systems"

Components 3 Core



- Ethernet IP telephone
- PC with H.323 softphone
  - H.323 wireless handset

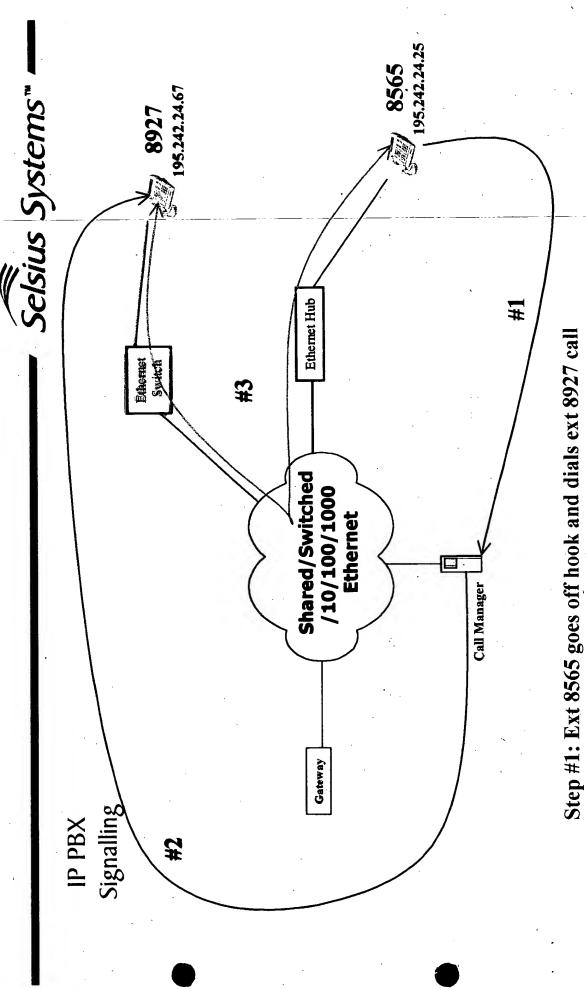
Call Processing

Analog fax/phone/modem

·Analog

- NT server

· PBX functionality



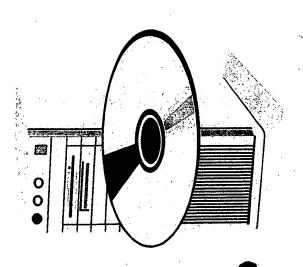
Step #2: Call Manager determines route, compression and instructs ext 8927 to rings

Step#3: When 8927 goes off-hook, Call Manager tells 8565 to start RTP audio stream, with correct compression type to IP address for 8927.

www.selsius.com

### Selsius Call-

#### Manager



# Product Functionality

- Provides intelligent call processing and PBX functionality
- H.323 standard-based
- Windows NT-based
- Standard PC hardware with only a Ethernet NIC
- Signalling support for gateways (Q.931, H.245, H.225)
- Call processing engine
- Features: hold, transfer, forward (3 types), display messaging, last number redial, speed dial, call waiting, park, pickup etc.
- Multiple line appearances/single number distribution
- Bandwidth (Compression) Manager
- SMDI interface to voice mail
- Manageable using web interface
- Real-time/historical performance monitor
- CDR reporting
- Architected for fault-tolerant and redundant operations for scalable/reliable operations

#### Product Release Content Currently

- Call transfer
- 3 types of forwarding
- hold
- Call park/pickup
- . Call Waiting
- Multiple calls per line appearance
- multiple lines per phone
- multiple appearances per line
  - Speed dial/ last # redial
- Single button NetMeeting
- Cisco 3620 access integration
- DHCP support
- vacant # intercept
- Configurable dial plan (E. 164 translation)
- Digital PRI gateway

## Selsius Systems"

- analog access gateway (loop-start only for vmail)
  - G.723 compression and call-by-call bandwidth management
- Automatic phone installation
- License management
- 3rd party voicemail interface (SMDI), joint marketing with Active Voice)
- CDR
- Cisco IP Precedence bit
- Performance monitor and event viewer
- 4 models of Ethernet telephones
- Virtual phone